



United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection and Quarantine



APHIS List of Hosts and Plants Associated with *Phytophthora ramorum*

Revision dated 30 June 2004

This list is constantly being updated.

The most current version is posted at: <http://www.aphis.usda.gov/ppq/ispmsod>

Proven Hosts for *Phytophthora ramorum*

(These are regulated in whole or in part – see Recent Regulatory Changes at <http://www.aphis.usda.gov/ppq/ispmsod/regs/>)

Scientific Name (28)	Common Name
<i>Acer macrophyllum</i>	Bigleaf maple
<i>Aesculus californica</i>	California buckeye
<i>Arbutus menziesii</i>	Madrone
<i>Arctostaphylos manzanita</i>	Manzanita
<i>Camellia</i> spp.	Camellia - all species, hybrids and cultivars
<i>Hamamelis virginiana</i>	Witch hazel
<i>Heteromeles arbutifolia</i>	Toyon
<i>Lithocarpus densiflorus</i>	Tanoak
<i>Lonicera hispidula</i>	California honeysuckle
<i>Pieris formosa</i>	Himalaya pieris
<i>Pieris formosa x japonica</i>	Pieris 'Forest Flame'
<i>Pieris floribunda x japonica</i>	Pieris 'Brouwer's Beauty'
<i>Pieris japonica</i>	Japanese pieris
<i>Pseudotsuga menziesii</i> var. <i>menziesii</i>	Douglas-fir
<i>Quercus agrifolia</i>	Coast live oak
<i>Quercus chrysolepis</i>	Canyon live oak
<i>Quercus kelloggii</i>	California black oak
<i>Quercus parvula</i> v. <i>shrevei</i>	Shreve's oak
<i>Rhamnus californica</i>	California coffeeberry
<i>Rhododendron</i> spp.	Rhododendron (including azalea) – all species, hybrids and cultivars
<i>Rosa gymnocarpa</i>	Wood rose
<i>Sequoia sempervirens</i>	Coast redwood
<i>Trientalis latifolia</i>	Western starflower
<i>Umbellularia californica</i>	California bay laurel, pepperwood, Oregon myrtle
<i>Vaccinium ovatum</i>	Evergreen huckleberry
<i>Viburnum x bodnantense</i>	Bodnant Viburnum
<i>Viburnum plicatum</i> var. <i>tomentosum</i>	Doublefile Viburnum
<i>Viburnum tinus</i>	Laurustinus

Plants Associated with *Phytophthora ramorum*

(These are only regulated as nursery stock)

Scientific Name (33)	Common Name, Date & Source of Report
<i>Abies grandis</i>	Grand fir – June 03 (1)
<i>Aesculus hippocastanum</i>	Horse-chestnut – Dec 03 (3)
<i>Arbutus unedo</i>	Strawberry tree – Dec 02 (7)
<i>Clintonia andrewsiana</i>	Andrew's clintonia bead lily – May 04 (5)
<i>Castanea sativa</i>	Sweet Chestnut – Feb 04 (3)
<i>Corylus cornuta</i>	California hazelnut – Dec 02 (5)
<i>Dryopteris arguta</i>	California wood fern – May 04 (5)
<i>Fagus sylvatica</i>	European beech – Dec 03 (3)
<i>Kalmia latifolia</i>	Mountain laurel – Fall 02 (3)
<i>Leucothoe fontanesiana</i>	Drooping leucothoe - Oct 03 (3)
<i>Pieris formosa</i> var. <i>forrestii</i>	Chinese pieris – Oct 03 (3)
<i>Pieris formosa</i> var. <i>forrestii</i> x <i>Pieris japonica</i>	Pieris – Oct 03 (3)
<i>Pittosporum undulatum</i>	Victorian box – Dec 02 (6)
<i>Pyracantha koidzumii</i>	Formosa firethorn – Apr 04 (9)
<i>Quercus sativa</i>	European turkey oak - Feb 04 (3)
<i>Quercus falcata</i>	Southern red oak – Nov 03 (3)
<i>Quercus ilex</i>	Holm oak – Dec 03 (3)
<i>Quercus rubra</i>	Northern red oak – Nov 03 (8)
<i>Rhamnus purshiana</i>	Cascara – Dec 02 (4)
<i>Rubus spectabilis</i>	Salmonberry – Dec 02 (4)
<i>Smilacina racemosa</i>	False Solomon's seal – June 04 (10)
<i>Syringa vulgaris</i>	Lilac – 2003 (3) updated Oct 03
<i>Taxus baccata</i>	European yew – Aug 03 (3)
<i>Taxus brevifolia</i>	Pacific yew – May 03 (5)
<i>Toxicodendron diversiloba</i>	Poison oak – Dec 02 (4)
<i>Vaccinium vitis-idaea</i>	Lingonberry – Poland, 2002 (reported by 3)
<i>Viburnum davidii</i>	David Viburnum - Oct 03 (3)
<i>Viburnum farreri</i> (= <i>V. fragrans</i>)	Fragrant Viburnum – Oct 03 (3)
<i>Viburnum lantana</i>	Wayfaringtree Viburnum – Oct 03 (3)
<i>Viburnum opulus</i>	European cranberrybush Viburnum – Oct 03(3)
<i>Viburnum x burkwoodii</i>	Burkwood Viburnum – Oct 03 (3)
<i>Viburnum x carlcephalum</i> x <i>V. utile</i>	Viburnum – Oct 03 (3)
<i>Viburnum x pragense</i>	Prague Viburnum – Oct 03 (3)

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Rationale for Lists:

Host Plants for *Phytophthora ramorum*:

Host plants are naturally infected associated plants added upon completion, documentation, review and acceptance of traditional Koch's postulates. Some are regulated in part (such as redwood and Douglas fir); others are regulated in their entirety (such as tanoak and western star flower). Details on regulated plants and articles can be found via links to "Phytophthora ramorum 7 CFR 301.92" and "Recent Modifications to Phytophthora ramorum Regulations" at: <http://www.aphis.usda.gov/ppq/ispm/sod>

The plants listed in the original Interim Rule dated 14 February 2002 were adapted from a review and evaluation of lists of regulated plants from other regulatory agencies.

Plants Associated with *Phytophthora ramorum*:

Associated plants are those reported found naturally infected from which *P. ramorum* has been cultured and/or detected using PCR (Polymerase Chain Reaction). For each of these, traditional Koch's postulates have not yet been completed or documented and reviewed. These reports must be documented and reviewed by PPQ before they will be listed.

Regulation of Plants at the Genus Level:

To mitigate the spread of *P. ramorum*, plants from either list above may be regulated by APHIS at the genus level to ensure appropriate and effective inspection in quarantine areas, regulated nurseries, and regulated articles. Regulation at the genus level may occur when APHIS determines that regulating or listing multiple species, hybrids, or cultivars within a genus may prevent appropriate and effective inspection or regulation.